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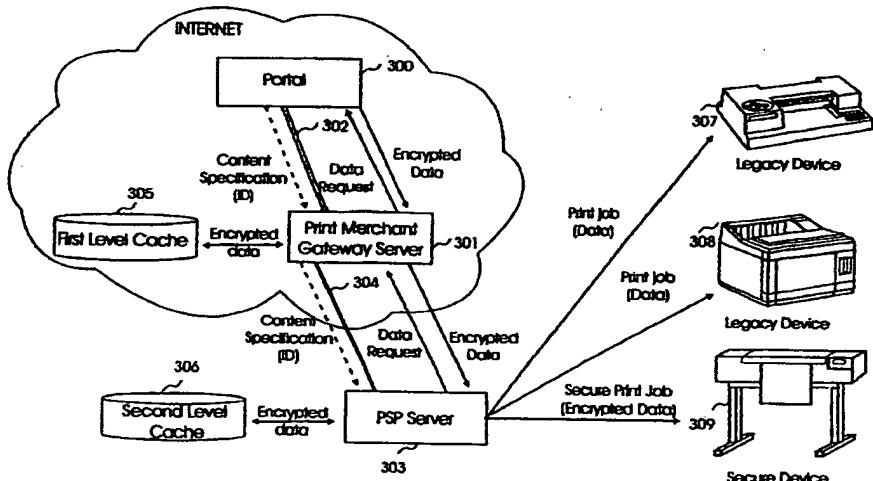
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DUAL LEVEL ENCRYPTED CACHE FOR SECURE DOCUMENT PRINT ON DEMAND



(57) Abstract: An on-line distributed printing network comprises a portal computer, a print manager computer 301 and at least one print service provider computer 302. The portal computer 300 and print merchant computer 301 are connected by a relatively high bit rate capacity communications link 302. The print merchant computer and print service provider computer 303 are connected by a conventional low bit rate capacity communications link 304, e.g. a 25 kilobits per second modem. The print manager computer and print service provider computer have respective first and second level cache data storage devices for storage of encrypted content data transferred from the portal to the print manager computer to the print service provider computer. Local storage of encrypted content data at the first and second level cache devices reduces the need for transmission of high volumes of content data over the communications links. Encryption of the content data is maintained throughout the communications up until a final printer device 309 which has decryption capability, thereby ensuring security of content data from portal to printer device.

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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 665 486 A (PASSAT 81 A S) 15 December 1982 (1982-12-15)  the whole document	1-4, 7, 9-11, 17, 19
A	WO 97 23990 A (EHRLICH CHEYENNE) 3 July 1997 (1997-07-03)  the whole document	1, 2, 7, 9, 17, 19

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report	Publication date		Patent family member(s)	Publication date
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